SYSTEM AND METHOD FOR INCREASING OPTIMAL ALTERNATIVE NETWORK ROUTE CONVERGENCE SPEED AND BORDER GATEWAY ROUTER INCORPORATING THE SAME

ABSTRACT OF THE DISCLOSURE

For use with a path vector routing protocol, a system and method for increasing alternative network route convergence speed and a border gateway router incorporating the system or the method. In one embodiment, the system includes: (1) a router information base (RIB) data receiver, associated with a network, that receives RIB data including: (1a) an update of an active route to a domain in the network that causes the active route to become a withdrawn route and (1b) indications, based on loopback addresses associated with nodes through which the withdrawn route passed, of a reachability of the each of the nodes and (2) route disqualification logic, associated with the RIB data receiver, that disqualifies alternative routes to the domain based on the indications.